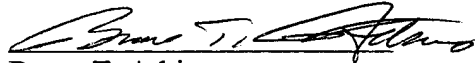


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BUS-026166
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Favorable action is respectfully solicited.

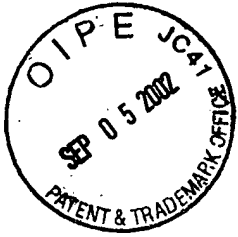
Respectfully Submitted,

A handwritten signature in dark ink, appearing to read "Bruce T. Atkins", is written over a horizontal line.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Scoggin et al.

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Serial No.: 09/981,017

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Art Unit: 2836

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Filed: October 16, 2001

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Examiner:

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For: COMPACT FUSED
DISCONNECT SWITCH

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TECHNOLOGY CENTER 2800

SUBMISSION OF MARKED UP PARAGRAPHS

Hon. Assistant Commissioner for Patents
Washington, D.C. 20231

In furtherance of the preliminary amendment submitted herewith, Applicants hereby submit marked up versions of the amendments therein.

IN THE SPECIFICATION

Please replace paragraph 3 with the following paragraph:

[0003] Fuses are widely used as overcurrent protection devices to prevent costly damage to electrical circuits. Fuse terminals typically form an electrical connection between an electrical power source and an electrical component or a combination of components arranged in an electrical circuit. One or more fusible links or elements, or a fuse element assembly, is connected between the fuse terminals, so that when electrical current through the fuse exceeds a predetermined limit, the fusible elements melt and [opens] open one or more circuits through the fuse to prevent electrical component damage.

Please replace paragraph 24 with the following paragraph:

[0024] Figure 1 is an exploded perspective view of a fused disconnect switch assembly 10 including a fuse 12 for removable engagement with a switch housing assembly 14. Switch housing assembly 14 includes a first bullet contact assembly 16 for plug in connection to a line input bus (not shown) and a second bullet contact assembly 18 for [plug-in] plug in connection to load side equipment (not shown), such as a distribution panel. When fuse 12 is fully inserted into a switch housing assembly fuse receptacle 20, an electrical circuit is completed through fuse 12 via first and second bullet contact assemblies 16, 18. As such, fused disconnect switch assembly 10 is ideally suited, in an exemplary embodiment, for protecting telecommunications equipment from damaging fault currents as well as facilitating disconnection of the load by extraction of fuse 12 from switch housing assembly 14. It is understood, however, that the benefits of the present invention accrue generally to many fused systems, and the present invention is in no way intended to be restricted to any particular use or application.

Please replace paragraph 52 with the following paragraph:

[0052] LED 38 protrudes through an opening in one of fuse housings 32 so that fuse state indication is readily ascertainable from visual inspection of LED 38. If LED 38 is not illuminated, fuse 202 is functional, i.e., fuse links 34 have not opened due to fault current conditions. On the other hand, if LED 38 is illuminated, fuse 202 has operated and should be replaced with a functional fuse.

Please replace paragraph 53 with the following paragraph:

[0053] Fuse housings 32 each further [includes] include an opening 268 extending through bottom of fuse housing 32 to facilitate introduction of an arc quenching media, such as silica sand, to surround terminals 30 and fuse link 34 within each housing 32. The arc quenching media prevents and/or suppresses arcing between fuse terminals 30 when fuse links 34 open. A plug 272 is inserted into each opening 268 after fuse housings 32 are filled with the arc quenching media to seal fuse 202. In an exemplary embodiment, plug 272 is a ball fabricated

from nylon or other suitable materials and applied to opening 268 according to known techniques.

Please replace paragraph 57 with the following paragraph:

[0057] It may be recognized that switch housing assembly 302 is essentially a double-wide version of switch housing assembly 100 (shown in Figure 5) to facilitate enhanced overcurrent protection in conjunction with fuse 202. Accordingly, switch housing assembly 302 includes a fuse receptacle 306, a pair of bullet contact assemblies 16 for line-side connection to external circuitry, and a pair of load-side terminal contact assemblies 102 (not shown in Figure 10) that are connected to output bus 304. When fuse 202 is inserted into fuse receptacle 306, and further when bullet contact assemblies 16 are coupled to [line side] line-side connections, an electrical circuit is established through fuse 202 between each respective pair of bullet contact assemblies 16 and the terminal contact assemblies 102. The load may be disconnected by extraction of fuse 202 from switch housing assembly 306.

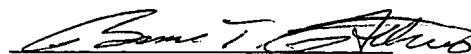
Please replace paragraph 64 with the following paragraph:

[0064] Figure 12 is an exploded view of a yet another embodiment of a switch housing assembly 350 similar to switch housing assembly 302 (shown in Figure 11). Switch housing assembly 350 is substantially similar to switch housing assembly 302 with the exception of terminal stud contact assemblies 102 are employed to form both line-side and load-side electrical connectors. In other words, bullet contact assemblies 16 (shown in Figure 11) are replaced with terminal stud contact assemblies 102. For ease of reference, common features of assembly 350 and assembly 302 are indicated with like reference characters.

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